



**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

I HEREBY DECLARE THAT:

My residence, mailing address, and citizenship are stated next to my name in PART A hereof.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**REACTORS HAVING MULTIPLE ELECTRODES AND/OR ENCLOSED RECIPROCATING  
PADDLES, AND ASSOCIATED METHODS**

the specification of which:

- ☐ is attached hereto.
- ☒ was filed on December 11, 2003 as Application Serial No. 10/734,100 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority benefits under 35 USC §119(a)-(d) or (f), §172, or §365(a)-(b) of any foreign or international application(s) for patent or inventor's certificate listed in PART B hereof and have also identified in PART B hereof any such foreign or international application having a filing date before that of the application of which priority is claimed.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I understand that the execution of this document does not in itself establish an attorney-client relationship between the undersigned and Perkins Coie, LLP, or any of its attorneys.

See page 2 attached, signed, and made a part hereof.

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART A: INVENTOR INFORMATION AND SIGNATURE**

Full name of FIRST inventor: Paul R. McHugh

Citizenship: U.S.

Mailing Address: 127 Sherry Lane  
Kalispell, MT 59901

Residence (if different): \_\_\_\_\_

Inventor's Signature: Paul R. McHugh Date: 3/31/04

Full name of SECOND inventor: Gregory J. Wilson

Citizenship: U.S.

Mailing Address: 427 6<sup>th</sup> Avenue East  
Kalispell, MT 59901

Residence (if different): \_\_\_\_\_

Inventor's Signature: Gregory J. Wilson Date: 3/31/2004

Full name of THIRD inventor: Daniel J. Woodruff

Citizenship: U.S.

Mailing Address: 409 Northridge Drive  
Kalispell, MT 59901

Residence (if different): \_\_\_\_\_

Inventor's Signature: Daniel J. Woodruff Date: 3/31/04

Full name of FOURTH inventor: Nolan Zimmerman

Citizenship: U.S.

Mailing Address: 1145 3<sup>rd</sup> Avenue East  
Kalispell, MT 59901

Residence (if different): \_\_\_\_\_

Inventor's Signature: Nolan Zimmerman Date: 3/31/04

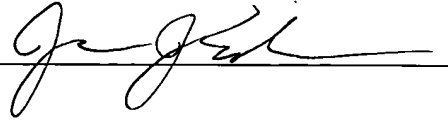
Full name of FIFTH inventor: James J. Erickson

Citizenship: U.S.

Mailing Address: 135 Spring Creek Drive #4  
Kalispell, MT 59901

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_



Date: 3-31-04

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S) UNDER 35 U.S.C. § 119(a-d) and (f) § 172, or § 365(a)-(b)**

| Country | App. No. | Filing Date | Priority Not Claimed     |
|---------|----------|-------------|--------------------------|
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|         |          |             | <input type="checkbox"/> |



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Paul R. McHugh et al.

Application No.: 10/734,100

FILED: DECEMBER 11, 2003

FOR: **REACTORS HAVING MULTIPLE  
ELECTRODES AND/OR ENCLOSED  
RECIPROCATING PADDLES, AND  
ASSOCIATED METHODS**

EXAMINER: UNKNOWN

ART UNIT: 2811

CONF No.: 7993

**Power of Attorney by Assignee and Certification**  
**Under 37 CFR §3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of an Assignment filed concurrently herewith appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 CFR 3.71.

All prior powers of attorney for this application are hereby revoked. The Assignee hereby appoints STEPHEN E. ARNETT, Registration No. 47,392; RODGER K. CARREYN, Registration No. 50,774; BRIAN R. COLEMAN, Registration No. 39,145; CHRISTOPHER DALEY-WATSON, Registration No. 34,807; PETER J. DEHLINGER, Registration No. 28,006; DAVID BOGART DORT, Registration No. 50,213; DAVID T. DUTCHER, Registration No. 51,638; LEEANN GORTHEY, Registration No. 37,337; JOSEPH HAMILTON, Registration No. 51,770; PAUL L. HICKMAN, Registration No. 28,516; EDWARD S. HOTCHKISS, Registration No. 33,904; KAREN Y. HUI, Registration No. 44,785; STEVEN KELLEY, Registration No. 43,449; TAMIZ KHAN, Registration No. 46,273; JONATHAN P. KUDLA, Registration No. 47,724; STEVEN D. LAWRENZ, Registration No. 37,376; KATHERINE D. LEE, Registration No. 44,865; JACQUELINE F. MAHONEY, Registration No. 48,390; JUDY M. MOHR, Registration No. 38,563; CHUN NG, Registration No. 36,878; NGUYEN H. NGUYEN, Registration No. 43,834; KENNETH H. OHRINER, Registration No. 31,646; PAUL T. PARKER,

Registration No. 38,264; MAURICE J. PIRIO, Registration No. 33,273; TIM R. SEELEY, Registration No. 53,575; LAUREN SLIGER, Registration No. 51,086; CARINA M. TAN, Registration No. 45,769; MARK A. THOMAS, Registration No. 37,953; LARRY W. THROWER, Registration No. 47,994; JOHN M. WECHKIN, Registration No. 42,216; JAMES A.D. WHITE, Registration No. 43,985; MICHAEL J. WISE, Registration No. 34,047; ROBERT G. WOOLSTON, Registration No. 37,263; and JAMES J. ZHU, Registration No. 52,396; all affiliated with Perkins Coie LLP.

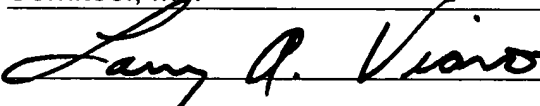
I also hereby grant the following attorney a principal power of attorney with full power to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected therewith: Harry M. Cross, Jr. 22,229.

Direct all telephone calls to Paul T. Parker at (206) 359-3257. Address all correspondence to:

Customer No. 25096  
Perkins Coie LLP  
P.O. Box 1208  
Seattle, Washington 98111-1208  
(206) 359-8000

In accordance with 37 CFR 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, USC §1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

ASSIGNEE: Semitool, Inc.  
Signature:   
Typed Name: Larry A. Viano  
Title: Secretary and Chief Financial Officer  
Date: 04/01/04  
Address: 655 West Reserve Drive, Kalispell, MT 59901

COPY

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| Form PTO-1595<br>(Rev. 10/02, modified)<br>OMB No. 0651-0027 (exp. 6/30/2005)   |  | RECORDATION FORM COVER SHEET<br><b>PATENTS ONLY</b> |  | U.S. Department of Commerce<br>Patent and Trademark Office |  |
| To the Honorable Commissioner for Patents: Please record the attached original documents or copy thereof.   |  |   |  |  |  |
| 1. Name of conveying party(ies):<br>Paul R. McHugh<br>Gregory J. Wilson<br>Daniel J. Woodruff<br>Nolan Zimmerman<br>James J. Erickson<br><br>Additional names of conveying parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  |   | 2. Name and address of receiving party(ies):<br>Semitool, Inc.<br>655 West Reserve Drive<br>Kalispell, MT 59901  |  |  |
| 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment<br><input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement<br><input type="checkbox"/> Change of Name <input type="checkbox"/> Reassignment<br><input type="checkbox"/> Other<br>Execution date: <u>03/31/2004</u> .  |  |   | Additional names of receiving parties attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  |  |
| 4. Application number(s) and/or patent number(s):<br>If this document is being filed together with a new application, the execution date of the application is:<br><br>A. Patent Application No.(s)<br>10/734,100<br><br>B. Patent No.(s)<br><br>Additional numbers attached: <input type="checkbox"/> Yes <input type="checkbox"/> No  |  |   |  |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br>Customer No. 25096<br>Perkins Coie LLP<br>P.O. Box 1247<br>Seattle, Washington 98111-1247<br>(206) 359-8000  |  |   | 6. Total No. of applications and patents involved:<br><u>one (1)</u>   |  |  |
|   |  |   | 7. Total fee (37 CFR §3.41): <u>\$40.00</u><br><input checked="" type="checkbox"/> Enclosed<br><input type="checkbox"/> Charge Deposit Account No. 50-0665 |  |  |
|   |  |   | 8. Deposit Account No. <u>50-0665</u><br><br>(Attach duplicate copy of this page if paying by deposit account)   |  |  |
| <b>DO NOT USE THIS SPACE</b>  |  |   |  |  |  |
| 9. Statement and signature:<br><br><i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i><br><br>John M. Wechkin<br>Name of Person Signing<br><br>Signature<br><br>Date<br><u>April 13, 2004</u><br><br>Total number of pages, including cover sheet, attachments and document: <u>5</u> |  |   |  |  |  |

## ASSIGNMENT

THIS ASSIGNMENT is by Paul R. McHugh, Gregory J. Wilson, Daniel J. Woodruff, Nolan Zimmerman, and James J. Erickson (the "Assignors"), residing at 127 Sherry Lane, Kalispell, MT 59901, 427 6<sup>th</sup> Avenue East, Kalispell, MT 59901, 409 Northridge Drive, Kalispell, MT 59901, 1145 3<sup>rd</sup> Avenue East, Kalispell, MT 59901 and 135 Spring Creek Drive #4, Kalispell, MT 59901, respectively. We Assignors have invented one or more certain inventions described in a United States Patent Application REACTORS HAVING MULTIPLE ELECTRODES AND/OR ENCLOSED RECIPROCATING PADDLES, AND ASSOCIATED METHODS (the "Application") and ☐ executed concurrently herewith; or ☒ filed on December 11, 2003 as Application No. 10/734,100 (the "Invention(s)"). We Assignors authorize the Assignee, identified below, or its representatives to insert the filing date and application number of the Application when known.

Semitool, Inc., a corporation of the State of Montana having a place of business at 655 West Reserve Drive, Kalispell, MT 59901 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or



perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Date: 3/31/04

Paul R. McHugh  
Paul R. McHugh

STATE OF Montana

COUNTY OF Flathead

On 3/31/2004 before me personally appeared Paul R. McHugh, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Patricia N. McEntire  
Signature

PATRICIA N. McENTIRE  
Notary Public for the State of Montana  
Residing at Kalispell, Montana  
My Commission Expires August 16, 2006

\* \* \* \* \*

Date: 3/31/2004

Gregory J. Wilson  
Gregory J. Wilson

STATE OF Montana

COUNTY OF Flathead

On 3/31/2004 before me personally appeared Gregory J. Wilson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

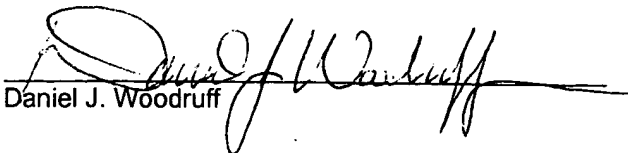
WITNESS my hand and official seal.

(Seal)

Patricia N. McEntire  
Signature

PATRICIA N. McENTIRE  
Notary Public for the State of Montana  
Residing at Kalispell, Montana  
My Commission Expires August 16, 2006

Date: 3/31/04

  
Daniel J. Woodruff

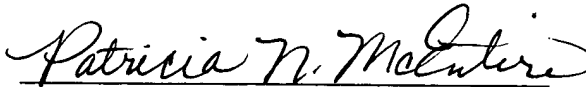
STATE OF Montana

COUNTY OF Flathead

On 3/31/2004 before me personally appeared Daniel J. Woodruff, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

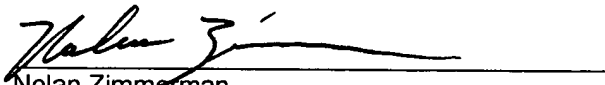
(Seal)

  
Signature

PATRICIA N. McENTIRE  
Notary Public for the State of Montana  
Residing at Kalispell, Montana  
My Commission Expires August 16, 2008

\* \* \* \* \*

Date: 3/31/04

  
Nolan Zimmerman

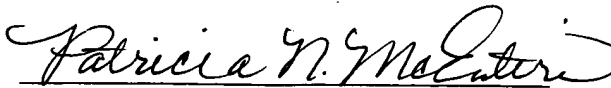
STATE OF Montana

COUNTY OF Flathead

On 3/31/2004 before me personally appeared Nolan Zimmerman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

  
Signature

PATRICIA N. McENTIRE  
Notary Public for the State of Montana  
Residing at Kalispell, Montana  
My Commission Expires August 16, 2008

\* \* \* \* \*

Date: 3-31-04

James J. Erickson

STATE OF Montana

COUNTY OF Flathead

On 3/31/2004 before me personally appeared James J. Erickson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)

Patricia N. McEntire  
Signature

\* \* \* \* \*

PATRICIA N. McENTIRE  
Notary Public for the State of Montana  
Residing at KellsPELL, Montana  
My Commission Expires August 16, 2006